FILE 'HOME' ENTERED AT 00:47:32 ON 10 APR 2007

=> index chemistry
FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
FULL ESTIMATED COST   0.21   0.21

INDEX 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUALINE, AQUIRE, BABS, BIOTECHNO,
      CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CERAB, CIN, COMPENDEX, CONFSCI,
      COPPERLIT, CORROSION, DISSABS, ENCOMPLIT, GENBANK, INSPEC, INSPHYS, IPA,
      KOSMET, METADEX, NAPRALERT, ...' ENTERED AT 00:48:15 ON 10 APR 2007

41 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s ((self assembl? or amphiphil? or nanofiber# or nanotube# or nano particle# or
nanomaterial# or nanocluster#) (w) (peptide or polypeptide) (p) (scaffold? or
matrix or matrices or surgace or crystal? (w) grow)
) IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s ((self assembl? or amphiphil? or nanofiber# or nanotube# or nano particle# or
nanomaterial# or nanocluster#) (w) (peptide or polypeptide)) (p) (scaffold? or
matrix or matrices or surgace or crystal? (w) grow?)
            0*   FILE ALUMINIUM
            3*   FILE APOLLIT
            0*   FILE AQUALINE
            0*   FILE BABS
            9*   FILE BIOTECHNO
            1   FILE CABA
   9 FILES SEARCHED...
            0*   FILE CAOLD
           76   FILE CAPLUS
            1*   FILE CBNB
            0*   FILE CEABA-VTB
            1*   FILE CIN
           35*   FILE COMPENDEX
            0*   FILE COPPERLIT
  18 FILES SEARCHED...
            0*   FILE CORROSION
            6   FILE DISSABS
            0*   FILE ENCOMPLIT
           26   FILE GENBANK
           16*   FILE INSPEC
            0*   FILE INSPHYS
            2   FILE IPA
            0*   FILE KOSMET
            3*   FILE METADEX
  28 FILES SEARCHED...
            2*   FILE NTIS
           11*   FILE PASCAL
            3   FILE PROMT
            1*   FILE RAPRA
  33 FILES SEARCHED...
           40   FILE SCISEARCH
            0*   FILE WATER
            0*   FILE WELDASEARCH
            0*   FILE WSCA

L1   QUE ((SELF ASSEMBL? OR AMPHIPHIL? OR NANOFIBER# OR NANOTUBE# OR NANO PARTI
          CLE# OR NANOMATERIAL# OR NANOCLUSTER#) (W) (PEPTIDE OR POLYPEPTIDE))
          (P) (SCAFFOLD? OR MATRIX OR MATRICES OR SURGACE OR CRYSTAL? (W) GROW?)

=> d rank
F1   76   CAPLUS
F2   40   SCISEARCH
F3   35*   COMPENDEX
F4   26   GENBANK
F5   16*   INSPEC
F6   11*   PASCAL
F7   9*   BIOTECHNO
F8   .6   DISSABS
F9   3   PROMT
F10   3*   APOLLIT
F11   3*   METADEX
F12   2   IPA
F13   2*   NTIS
F14   1   CABA
F15   1*   CBNB
F16   1*   CIN
F17   1*   RAPRA

=> file F1-3 F7-9
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   8.82   9.03

FILE 'CAPLUS' ENTERED AT 00:56:51 ON 10 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'SCISEARCH' ENTERED AT 00:56:51 ON 10 APR 2007
Copyright (c) 2007 The Thomson Corporation

FILE 'COMPENDEX' ENTERED AT 00:56:51 ON 10 APR 2007
Compendex Compilation and Indexing (C) 2007
Elsevier Engineering Information Inc (EEI). All rights reserved.
Compendex (R) is a registered Trademark of Elsevier Engineering Information Inc.

FILE 'BIOTECHNO' ENTERED AT 00:56:51 ON 10 APR 2007
COPYRIGHT (C) 2007 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'DISSABS' ENTERED AT 00:56:51 ON 10 APR 2007
COPYRIGHT (C) 2007 ProQuest Information and Learning Company; All Rights Reserved.

FILE 'PROMT' ENTERED AT 00:56:51 ON 10 APR 2007
COPYRIGHT (C) 2007 Gale Group. All rights reserved.

=> s l1
L2   76 FILE CAPLUS
L3   40 FILE SCISEARCH
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED ') (P) '
L4   35 FILE COMPENDEX
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED ') (P) '
L5   9 FILE BIOTECHNO
L6   6 FILE DISSABS

L7   3 FILE PROMT

TOTAL FOR ALL FILES
L8   169 L1

=> s l8 and self-assembl?
L9   67 FILE CAPLUS
L10   37 FILE SCISEARCH
L11   35 FILE COMPENDEX
L12   7 FILE BIOTECHNO
L13   6 FILE DISSABS
L14   3 FILE PROMT

TOTAL FOR ALL FILES
L15   155 L8 AND SELF-ASSEMBL?

=> Dup rem l15
PROCESSING COMPLETED FOR L15
L16   99 DUP REM L15 (56 DUPLICATES REMOVED)

=> d l16 1-99 ibib abs

L16   ANSWER 1 OF 99   CAPLUS   COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2007:296816   CAPLUS
TITLE: Controlling the nanoarchitechture of self-
                           assembled coiled-coil peptide nanofiber
                           scaffolds
AUTHOR(S):   Dong, He; Hartgerink, Jeffrey
CORPORATE SOURCE: Department of Chemistry, Rice University, Houston, TX,
                           77005, USA
SOURCE: Abstracts of Papers, 233rd ACS National Meeting,
                           Chicago, IL, United States, March 25-29, 2007 (2007),
                           ORGN-791. American Chemical Society: Washington, D.
                           C.
                           CODEN: 69JAUY
DOCUMENT TYPE: Conference; Meeting Abstract; (computer optical disk)
LANGUAGE: English

AB   Self-assembled peptide-based materials are
      attracting much attention in their use as extracellular matrix
      (ECM) mimics in tissue engineering. Here we will describe series of
      coiled coil peptides, which spontaneously self-assemble
      into a network of nanofibers with controlled diameter and length. We propose
      the self-assembly takes place through three steps,
      which include: 1. Single peptide mols. self-assemble
      into a coiled coil dimer with a sticky end. 2. This initiates and promotes
      peptides growth into fibrils with 2 nm diameter 3. These fibrils undergo a
      laterally aggregation, leading to the formation of thickened fibers. For
      the first time both the fibril of 2 nm in diameter and the thickened fibers
      have both been observed by Cryo-TEM. In addition, we show that fiber morphol.
      correlates with the helix stability and peripheral amino acid composition We
      believe the study performed here will provide the basis for control over
      the nanoarchitecture of protein-based biomaterials.

L16   ANSWER 2 OF 99   CAPLUS   COPYRIGHT 2007 ACS on STN DUPLICATE 1
ACCESSION NUMBER: 2007:388262   CAPLUS
TITLE: Systematic studies of a self-
                           assembling peptide nanofiber
                           scaffold with other scaffolds
AUTHOR(S):   Gelain, Fabrizio; Lomander, Andrea; Vescovi, Angelo
                           L.; Zhang, Shuguang
CORPORATE SOURCE: Center for Biomedical Engineering NE47-379,
                           Massachusetts Institute of Technology, Cambridge, MA,
                           02139-4307, USA
SOURCE: Journal of Nanoscience and Nanotechnology (2007),